MongoDB - Installation

Topics : MongoDB
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To install MongoDB, you can follow the steps outlined below. The installation process might vary slightly depending on your operating system. Here, I'll cover installations for popular operating systems: Windows, macOS, and Linux.

Windows:

1. **Download MongoDB Installer:**
    - Visit the official MongoDB website: MongoDB Download Center.
    - Choose the "Community Server" tab and select the appropriate version for Windows.
    - Download the installer (MSI).
2. **Run the Installer:**
    - Run the downloaded MSI installer.
    - Follow the installation wizard, accepting the default options. You can customize the installation directory if needed.
3. **Complete the Installation:**
    - The installer will prompt you to install MongoDB Compass, a graphical user interface for MongoDB. You can choose to install it or skip it.
    - Complete the installation process.
4. **Verify Installation:**
    - Open a Command Prompt and run the following command to start the MongoDB server:

      ```
      mongod
      ```

    - Open another Command Prompt and run the following command to open the MongoDB shell:

      ```
      mongo
      ```

macOS:

1. **Install Homebrew (if not installed):**

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- Open Terminal.
- Install Homebrew using the following command:

```
 /bin/bash -c "$(curl -fsSL
https://raw.githubusercontent.com/Homebrew/install/HEAD/install.sh)
"
```

2. **Install MongoDB:**
   - Run the following command to install MongoDB using Homebrew:

```
brew tap mongodb/brew
brew install mongodb-community
```

3. **Start MongoDB:**
   - Run the following command to start MongoDB:

```
 brew services start mongodb-community
```

4. **Verify Installation:**
   - Open a new Terminal window and run the MongoDB shell:

```
 mongo
```

Linux (Ubuntu/Debian):

1. **Import MongoDB GPG Key:**
   - Open a terminal and import the MongoDB GPG key:

```
wget -qO - https://www.mongodb.org/static/pgp/server-5.0.asc | sudo
apt-key add -
```

2. **Add MongoDB Repository:**
   - Add the MongoDB repository to the sources list:

```
 echo "deb [ arch=amd64,arm64 ] https://repo.mongodb.org/apt/ubuntu
$(lsb_release -cs)/mongodb-org/5.0 multiverse" | sudo tee
/etc/apt/sources.list.d/mongodb-org-5.0.list
```

3. **Install MongoDB:**
   - Update the package list and install MongoDB:

```
 sudo apt-get update
```

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```
sudo apt-get install -y mongodb-org
```

4. **Start MongoDB:**
   - Start the MongoDB service:

     ```
     sudo systemctl start mongod
     ```

5. **Enable MongoDB to Start on Boot:**
   - Enable MongoDB to start on system boot:

     ```
     sudo systemctl enable mongod
     ```

6. **Verify Installation:**
   - Open a terminal and run the MongoDB shell:

     ```
     mongo
     ```

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